

FIG. 1

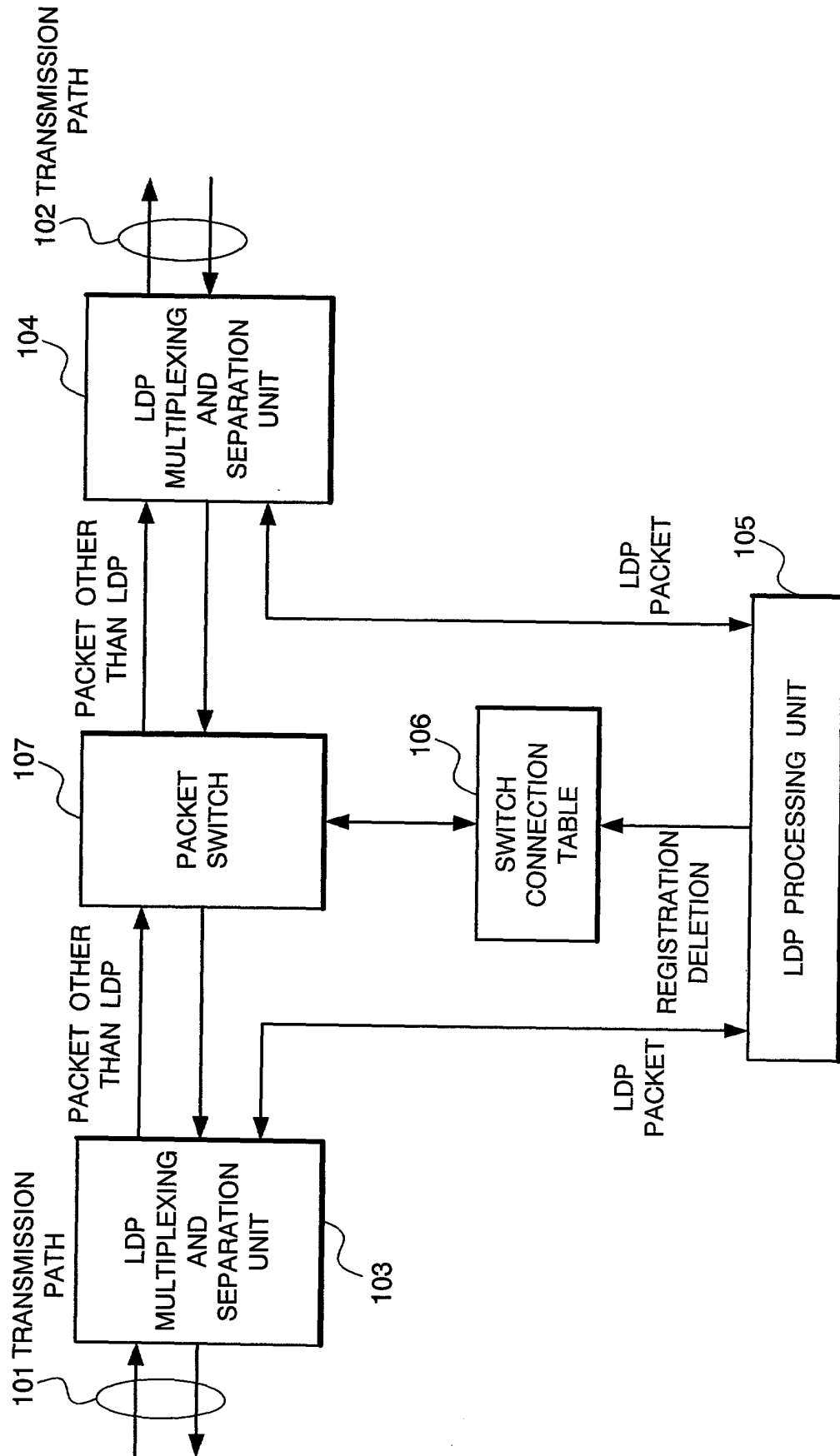


FIG. 2

105

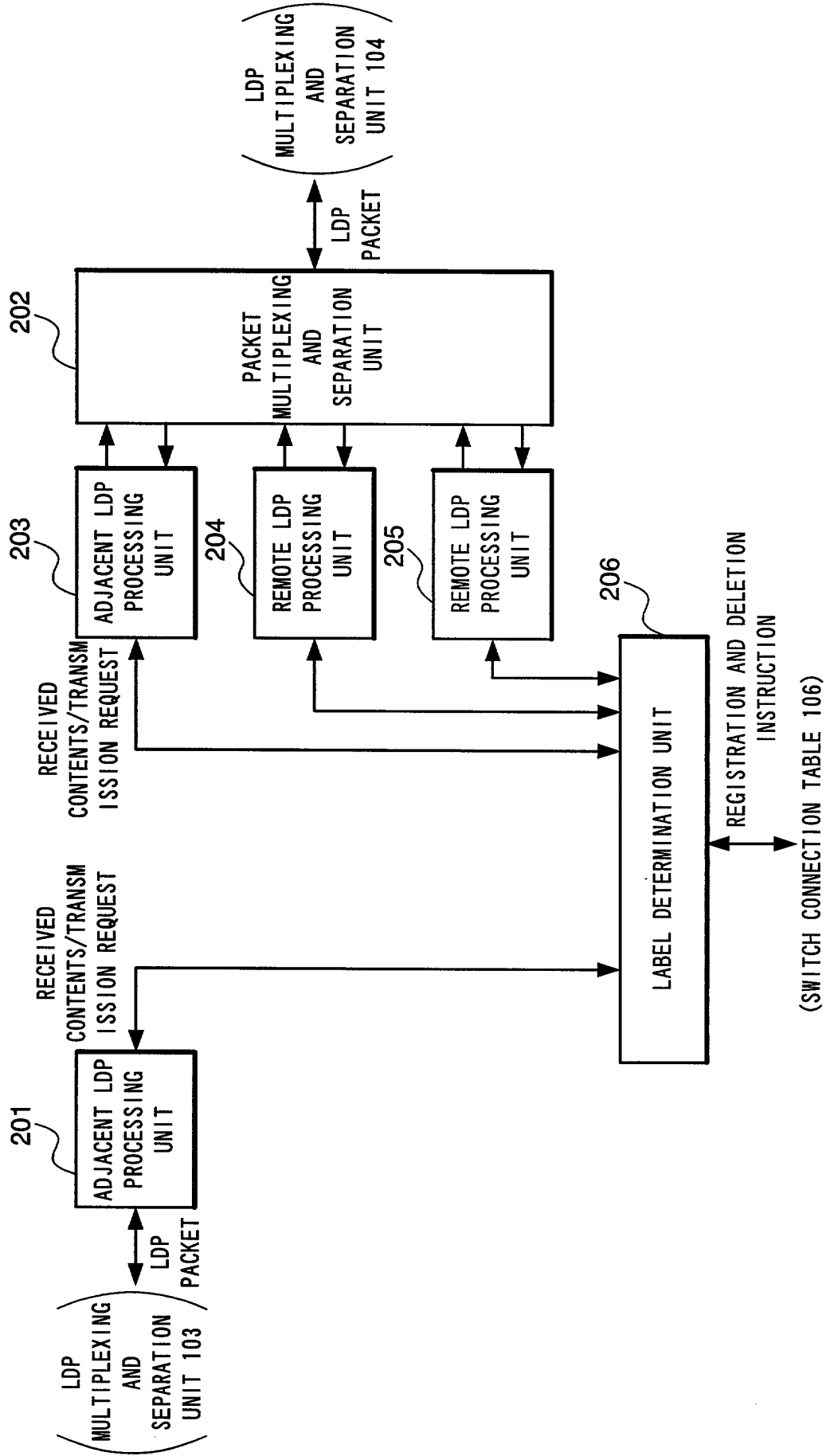


FIG. 3

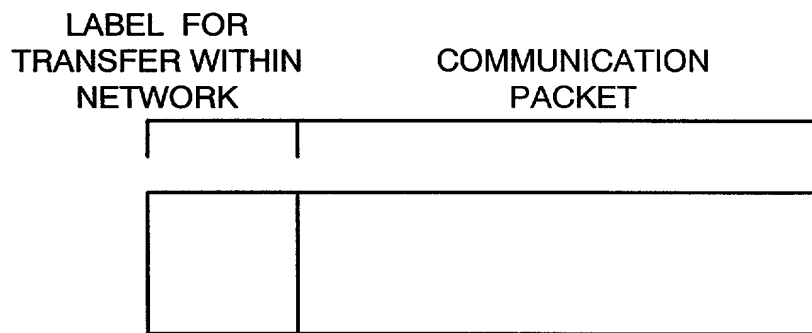
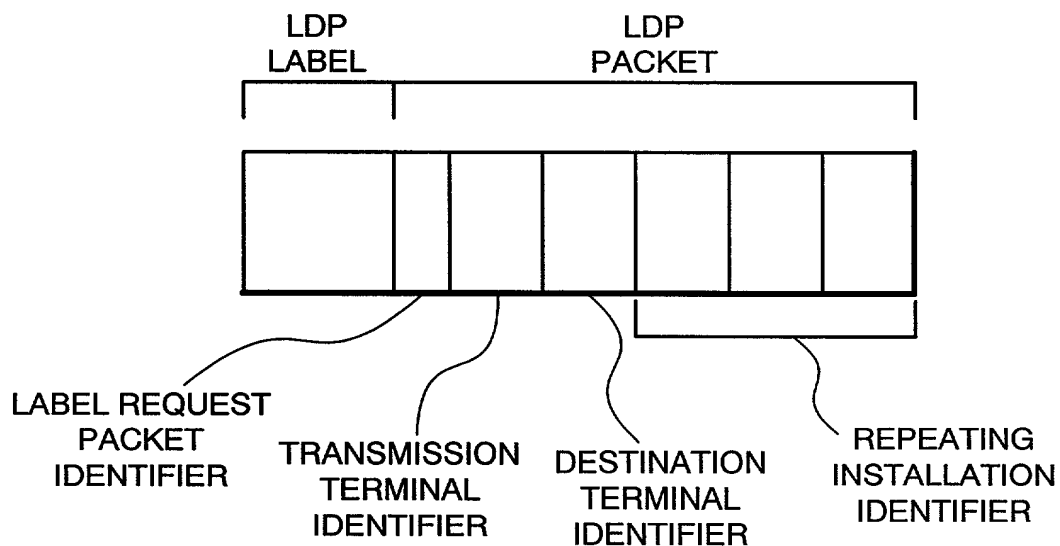
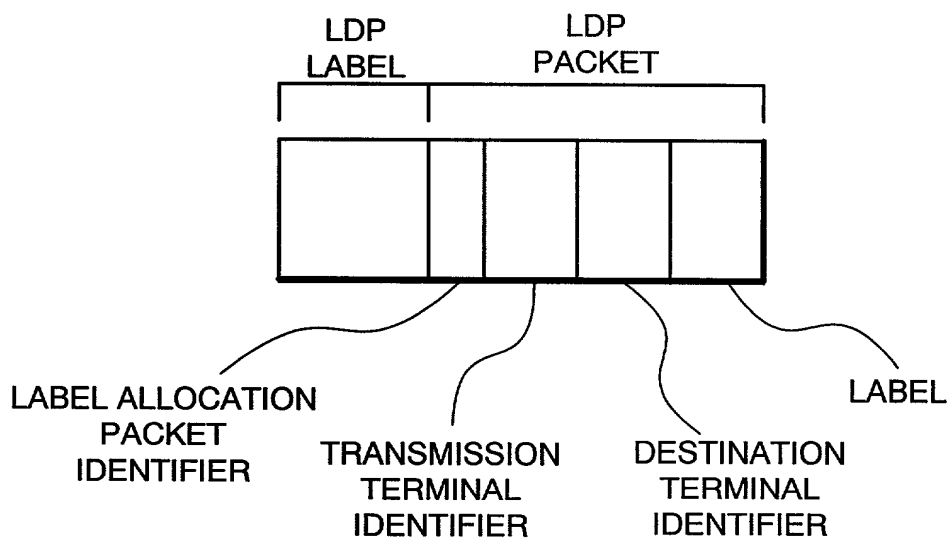


FIG. 4



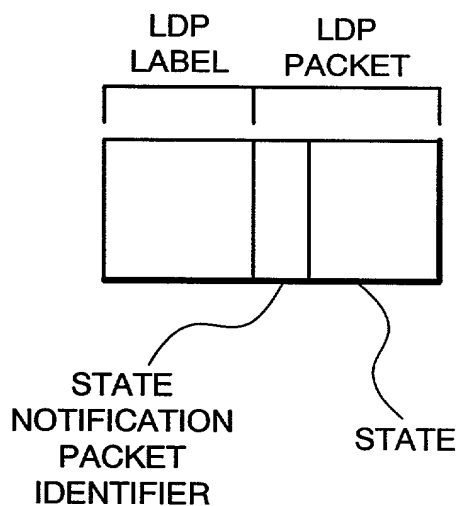
LABEL REQUEST PACKET

**FIG. 5**



**LABEL ALLOCATION PACKET**

**FIG. 6**



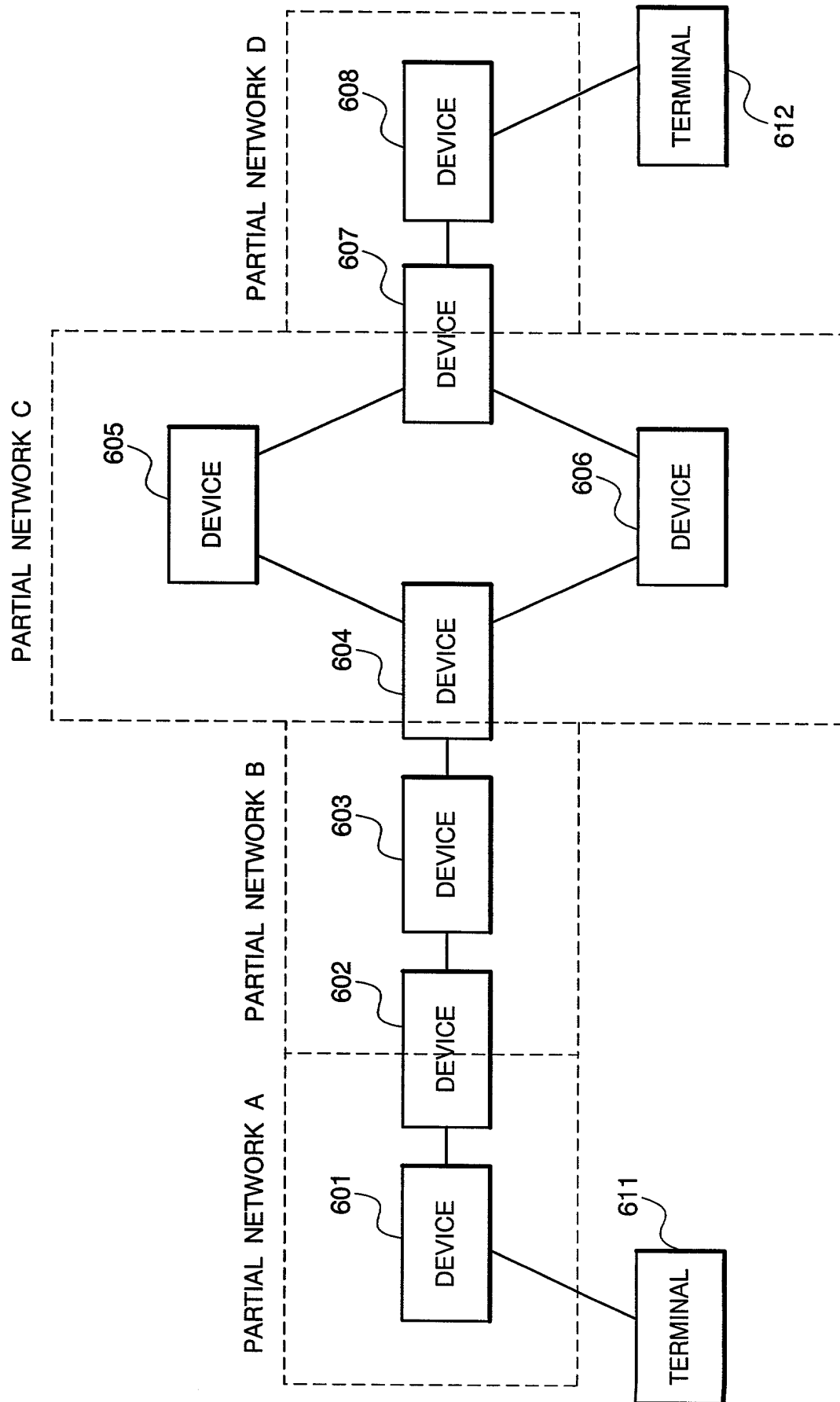
**STATE NOTIFICATION PACKET**

**FIG. 7**

	INPUT SIDE		OUTPUT SIDE	
	TRANSMISSION PATH	LABEL VALUE	TRANSMISSION PATH	LABEL VALUE
ENTRY 1	101	1	102	5
ENTRY 2	102	3	101	4

•  
•  
•

FIG. 8



## FIG. 9

DEVICE 603 SWITCH CONNECTION TABLE

	INPUT SIDE		OUTPUT SIDE	
	TRANSMISSION PATH	LABEL VALUE	TRANSMISSION PATH	LABEL VALUE
ENTRY 1	DEVICE 602 SIDE	0X01	DEVICE 604 SIDE	0X01
ENTRY 2	DEVICE 604 SIDE	0X01	DEVICE 602 SIDE	0X01
ENTRY 3	DEVICE 602 SIDE	0X02	DEVICE 604 SIDE	0X02
ENTRY 4	DEVICE 604 SIDE	0X02	DEVICE 602 SIDE	0X02

## FIG. 10

DEVICE 604 SWITCH CONNECTION TABLE

	INPUT SIDE		OUTPUT SIDE	
	TRANSMISSION PATH	LABEL VALUE	TRANSMISSION PATH	LABEL VALUE
ENTRY 1	DEVICE 603 SIDE	0X02	DEVICE 605 SIDE	0X02
ENTRY 2	DEVICE 605 SIDE	0X02	DEVICE 603 SIDE	0X02

## FIG. 11

DEVICE 605 SWITCH CONNECTION TABLE

	INPUT SIDE		OUTPUT SIDE	
	TRANSMISSION PATH	LABEL VALUE	TRANSMISSION PATH	LABEL VALUE
ENTRY 1	DEVICE 604 SIDE	0X02	DEVICE 607 SIDE	0X02
ENTRY 2	DEVICE 607 SIDE	0X02	DEVICE 604 SIDE	0X02

## FIG. 12

DEVICE 601 SWITCH CONNECTION TABLE

	DESTINATION TERMINAL	TRANSMISSION TERMINAL	LABEL VALUE ON DEVICE 602 SIDE
ENTRY 1	TERMINAL 612	TERMINAL 611	0X00
.	.	.	.
.	.	.	.
.	.	.	.

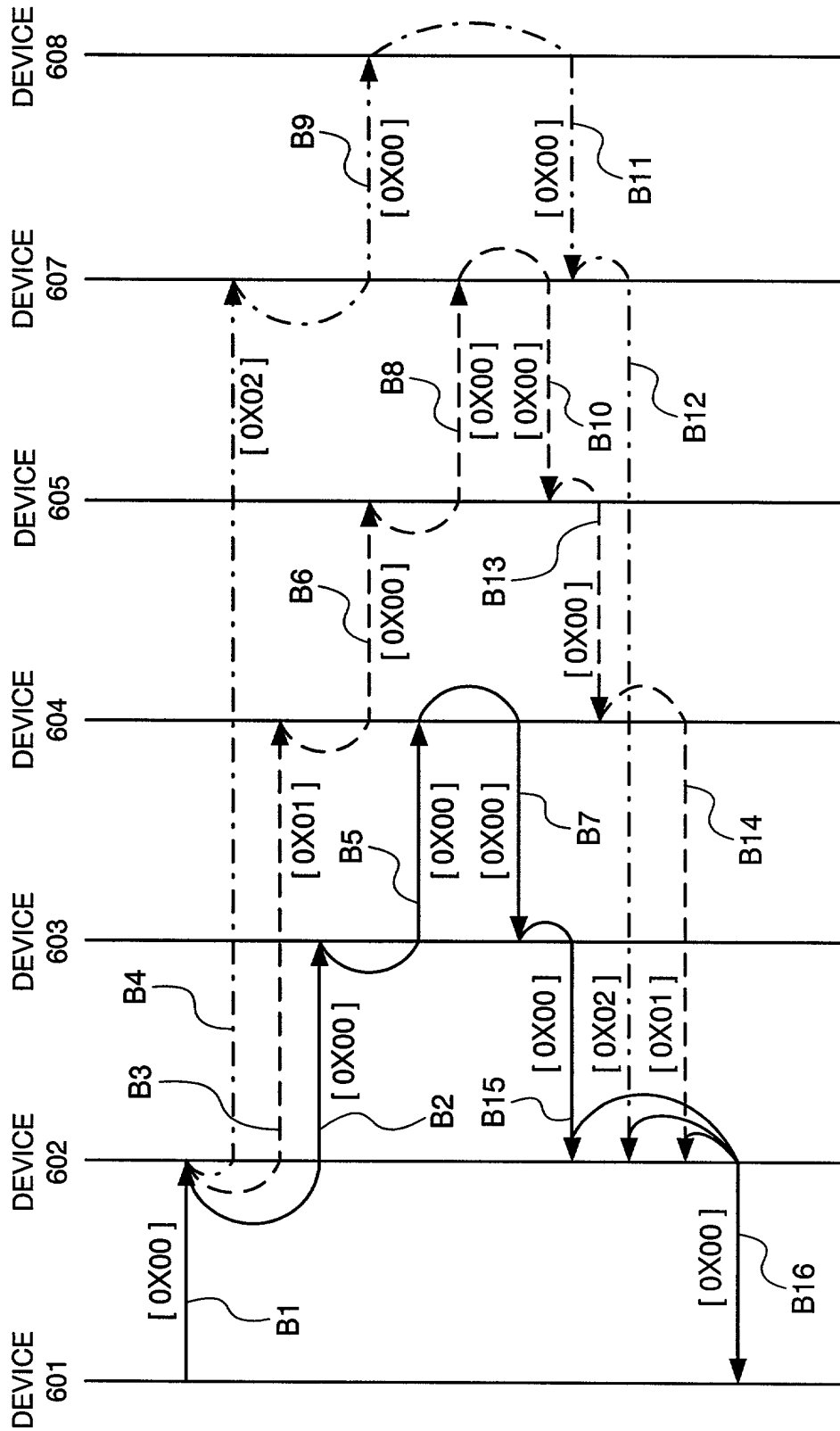
## FIG. 13

DEVICE 608 SWITCH CONNECTION TABLE

	DESTINATION TERMINAL	TRANSMISSION TERMINAL	LABEL VALUE ON DEVICE 607 SIDE
ENTRY 1	TERMINAL 612	TERMINAL 611	0X03
.	.	.	.
.	.	.	.
.	.	.	.



FIG. 14



→ (RIGHTWARD ARROW) LABEL REQUEST PACKET      INDICATED IN [ ] IS LABEL VALUE OF LDP PACKET

← (LEFTWARD ARROW) LABEL ALLOCATION PACKET

The diagram illustrates a sequence of data transfers between devices 601 through 608. The devices are arranged vertically, with 601 at the bottom and 608 at the top. The transfers are as follows:

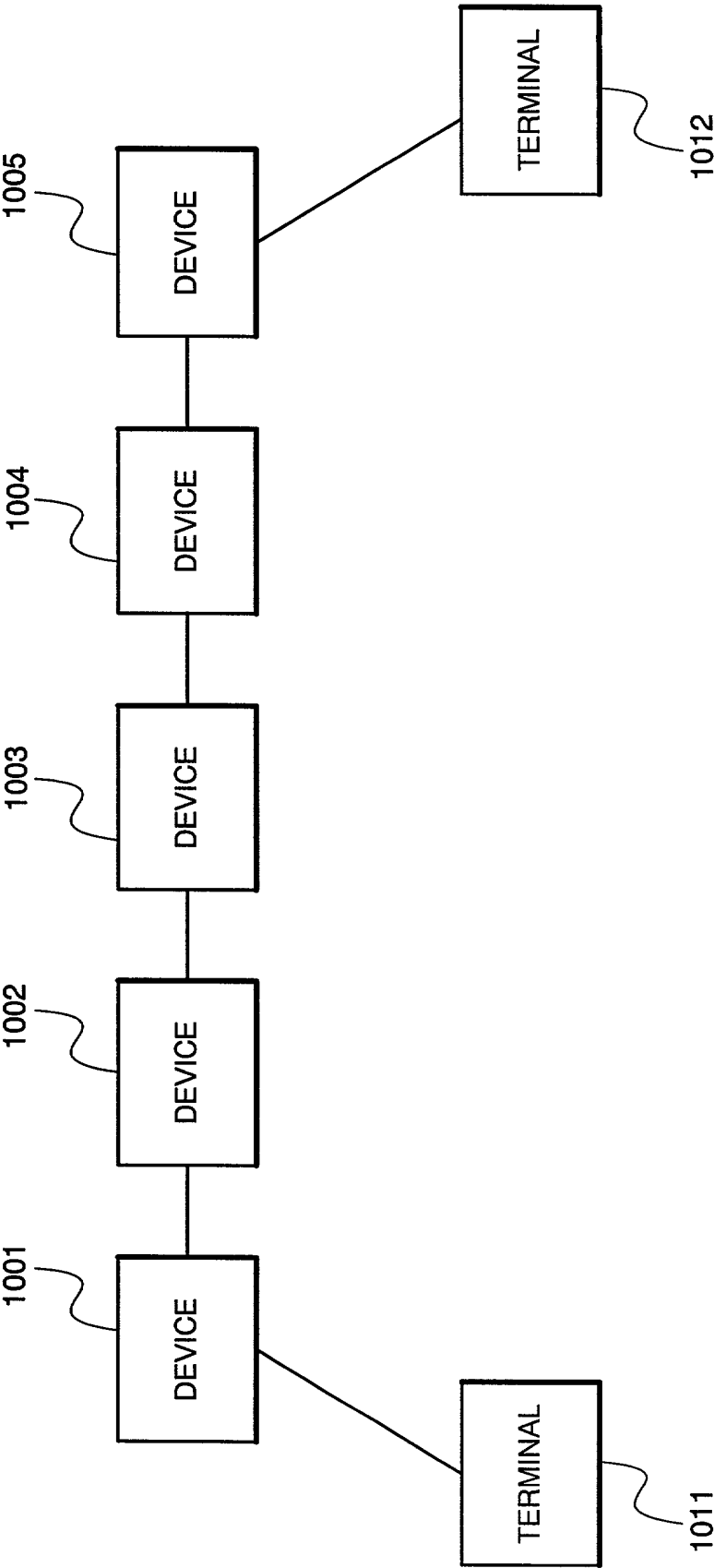
- Device 601 to 602:** A solid arrow labeled `[0X00]` points to device 602. A dashed arrow labeled `[0X00]` points to device 602, marked with an 'X'.
- Device 602 to 603:** A solid arrow labeled `[0X00]` points to device 603. A dashed arrow labeled `[0X02]` points to device 603, marked with an 'X'.
- Device 603 to 604:** A solid arrow labeled `[0X01]` points to device 604. A dashed arrow labeled `[0X00]` points to device 604, marked with an 'X'.
- Device 604 to 605:** A solid arrow labeled `[0X00]` points to device 605. A dashed arrow labeled `[0X00]` points to device 605, marked with an 'X'.
- Device 605 to 606:** A solid arrow labeled `[0X00]` points to device 606. A dashed arrow labeled `[0X00]` points to device 606, marked with an 'X'.
- Device 606 to 607:** A solid arrow labeled `[0X00]` points to device 607. A dashed arrow labeled `[0X00]` points to device 607, marked with an 'X'.
- Device 607 to 608:** A solid arrow labeled `[0X00]` points to device 608. A dashed arrow labeled `[0X00]` points to device 608, marked with an 'X'.

(RIGHTWARD ARROW) LABEL REQUEST PACKET

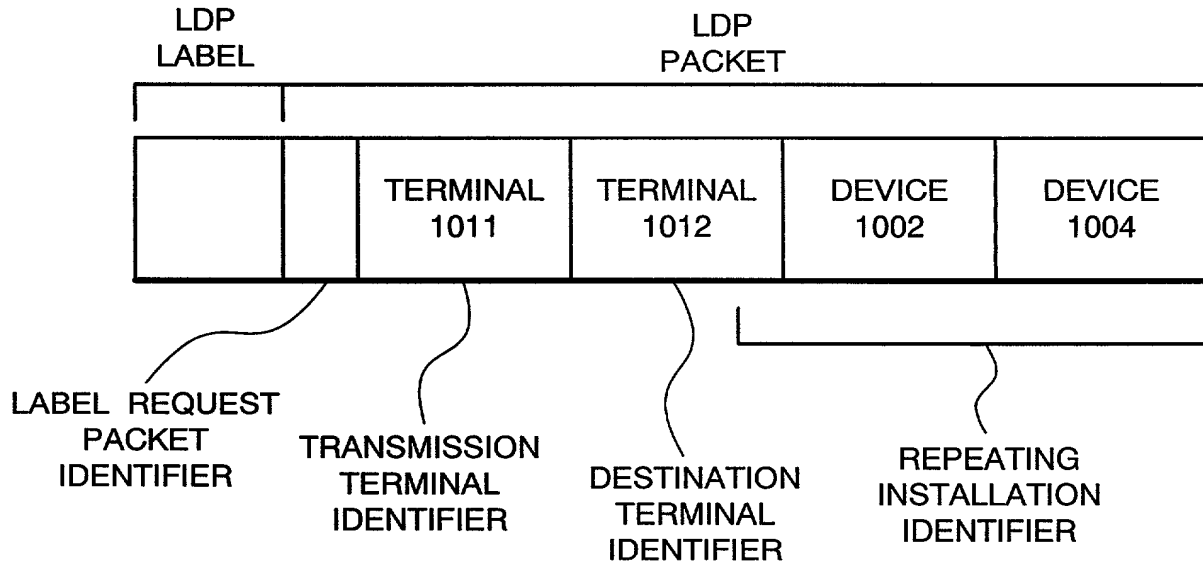
(LEFTWARD ARROW) LABEL ALLOCATION PACKET

(LEFTWARD ARROW) STATE NOTIFICATION PACKET

FIG. 16 (PRIOR ART)

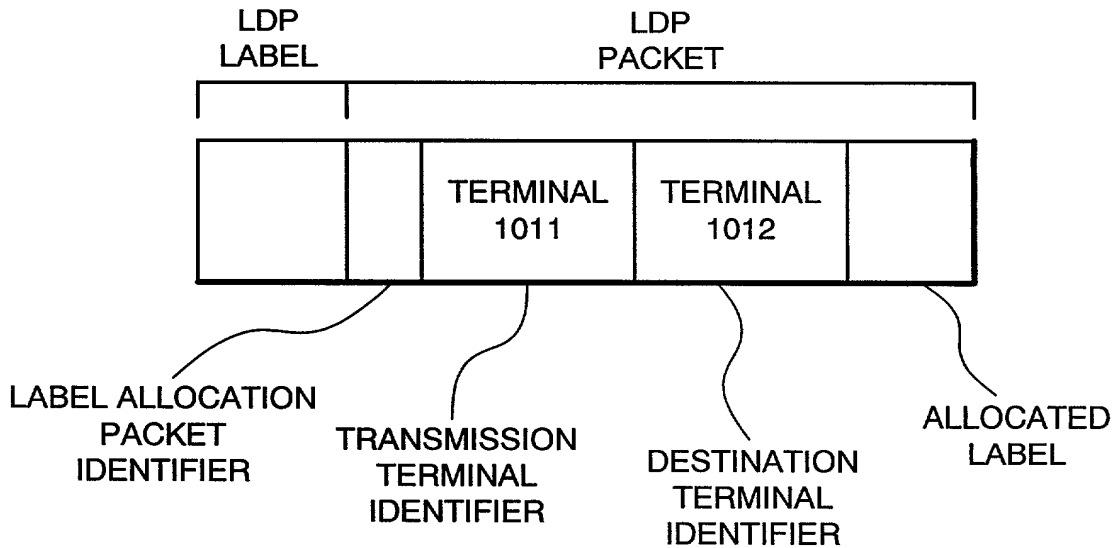


**FIG. 17** (PRIOR ART)



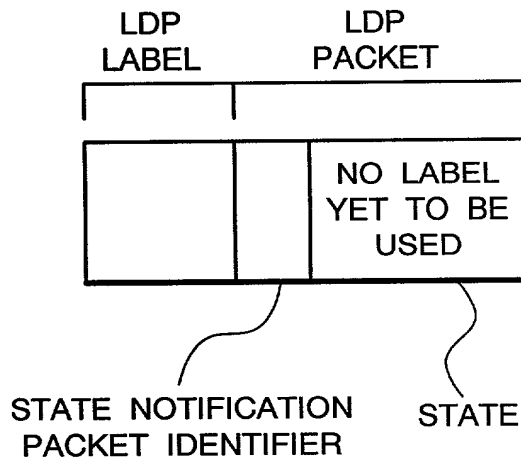
LABEL REQUEST PACKET OF DEVICE 1001

**FIG. 18** (PRIOR ART)



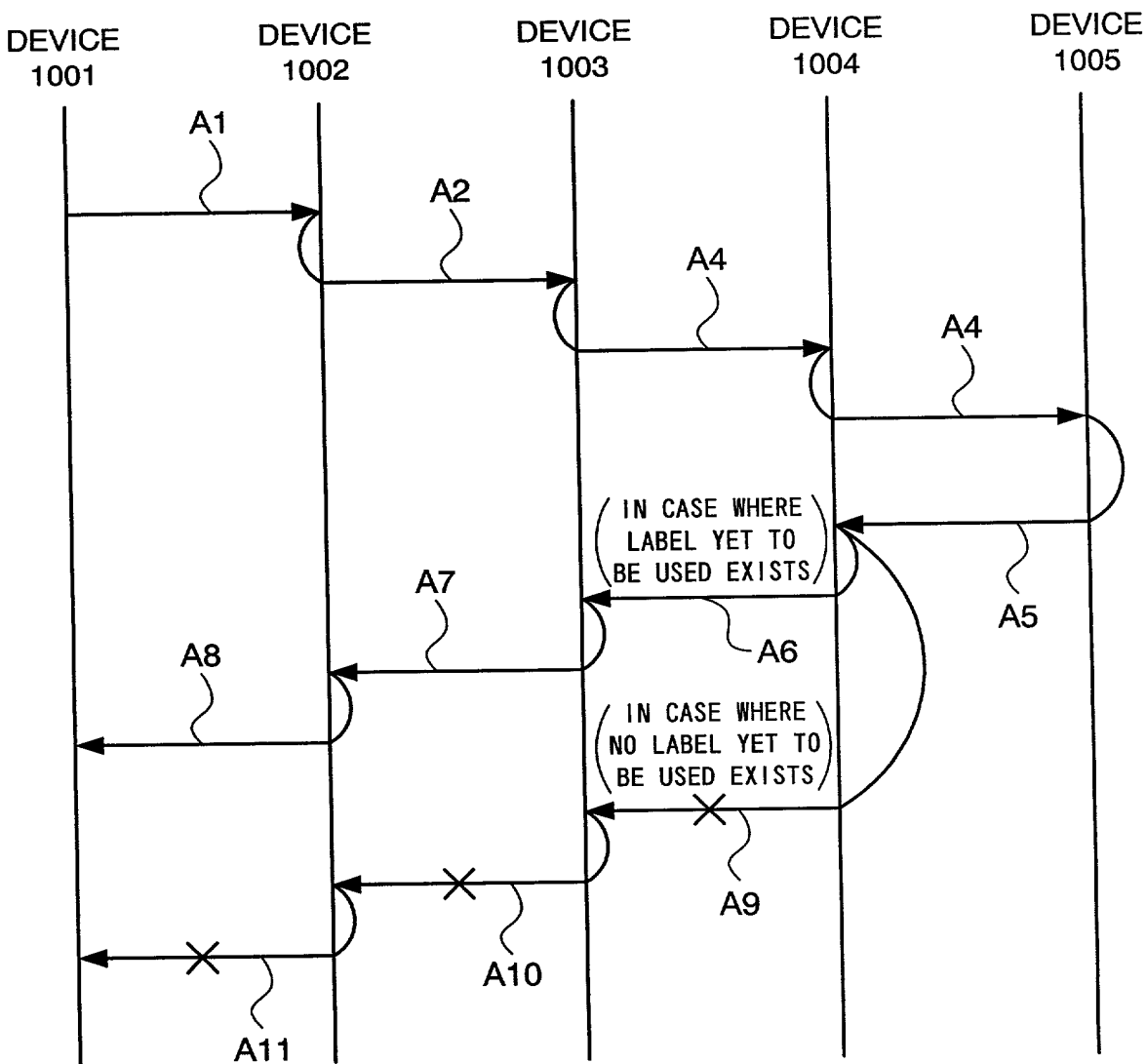
LABEL ALLOCATION PACKET OF DEVICE 1005

**FIG. 19** (PRIOR ART)



STATE NOTIFICATION PACKET

**FIG. 20** (PRIOR ART)



- (RIGHTWARD ARROW) LABEL REQUEST PACKET
- ← (LEFTWARD ARROW) LABEL ALLOCATION PACKET
- ←× (LEFTWARD ARROW) STATE NOTIFICATION PACKET